Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) ~~A~~ An isolated and purified polypeptide comprising an enzyme activity, wherein the enzyme activity ~~the following physicochemical properties (1) to (5):(1)It~~ asymmetrically reduces N-benzyl-3-pyrrolidinone to produce (S)-N-benzyl-3-pyrrolidinol with NADPH as a coenzyme~~;(2)Optimum~~, wherein the enzyme activity has an optimum action pH~~:~~ of 4.5 to 5.5~~;(3)~~, an optimum ~~Optimum~~ action temperature~~:~~ of 40°C to 45°C~~;(4)~~ and, a molecular ~~Molecular~~ weight~~:~~ of ~~A~~about 29,000 as determined by gel filtration analysis and about 35,000 as determined by SDS-polyacrylamide gel electrophoresis analysis~~;~~ , and~~(5) Inhibitor:~~ wherein the enzyme activity ~~It~~ is inhibited by ~~the~~ divalent copper ion.

2. (Currently amended) ~~A~~ An isolated and purified polypeptide comprising ~~described in the following (a) or (b)~~:

(a) ~~A polypeptide having the amino acid sequence shown under~~ SEQ ID NO: 1 ~~in the sequence listing~~; or

(b) ~~A polypeptide having~~ an amino acid sequence ~~obtainable~~ derived from ~~the amino acid sequence shown under~~ SEQ ID NO: 1 ~~in the sequence listing~~ by substitution, insertion, deletion and/or addition of one or more amino acids, wherein the polypeptide possesses ~~and having~~ an enzyme activity ~~in~~ comprising asymmetrically reducing N-benzyl-3-pyrrolidinone to produce (S)-N-benzyl-3-pyrrolidinol.

3. (Currently amended) The polypeptide ~~according to Claim~~ of claim 1, wherein the polypeptide ~~which~~ is derived from a microorganism belonging to the genus ~~Micrococcus~~ *Micrococcus*.

4. (Currently amended) The polypeptide ~~according to Claim~~ of claim 3, wherein ~~said~~ the microorganism is the strain ~~Micrococcus luteus~~ *Micrococcus luteus* IFO 13867.

5. (Currently amended) An isolated and purified DNA molecule coding for the polypeptide ~~according to Claim~~ of claim 1.

6. (Currently amended) An isolated and purified DNA molecule coding for a polypeptide ~~having~~ wherein the polypeptide comprises an enzyme activity ~~in~~ comprising asymmetrically reducing N-benzyl-3-pyrrolidinone to produce (S)-N-benzyl-3-pyrrolidinol, and wherein the DNA molecule ~~hybridizing~~ hybridizes ~~with a DNA having~~ to a nucleotide comprising ~~sequence shown under of~~ SEQ ID NO: 2 ~~in the sequence listing~~ under stringent conditions.

7. (Currently amended) An isolated and purified DNA molecule coding for a polypeptide, wherein the polypeptide possesses ~~having~~ enzyme activity ~~in~~ comprising asymmetrically reducing N-benzyl-3-pyrrolidinone to produce (S)-N-benzyl-3-pyrrolidinol, and wherein the sequence of the DNA molecule has ~~having~~ at least 60% sequence identity ~~with a nucleotide sequence shown under~~ to SEQ ID NO: 2 ~~in the sequence listing~~.

8. (Currently Amended) An expression vector ~~containing~~ comprising the isolated DNAs molecule ~~according to Claim 1~~ of claim 5.

9. (Currently amended) The expression vector ~~according to Claim~~ of claim 8, wherein the vector ~~which is~~ a plasmid pTSBH.

10. (Currently amended) The expression vector ~~according to Claim~~ of claim 8, wherein the isolated DNA molecule codes ~~which contains a DNA coding~~ for a polypeptide having glucose dehydrogenase activity.

11. (Currently amended) The expression vector ~~according to Claim~~ of claim 10, wherein ~~said~~ the polypeptide having glucose dehydrogenase activity is a ~~Bacillus megaterium~~ *Bacillus megaterium*-derived glucose dehydrogenase.

12. (Currently amended) The expression vector ~~according to Claim~~ of claim 11, wherein the vector ~~which~~ is a plasmid pTSBG1.

13. (Currently Amended) A transformant ~~containing~~ comprising the expression vector ~~according to Claim 1~~ of claim 8.

14. (Currently Amended) A transformant containing both the expression vector ~~according to Claim 1~~ of claim 8 and an expression vector containing a DNA molecule coding for a polypeptide having glucose dehydrogenase activity.

15. (Currently amended) The transformant ~~according to Claim~~ of claim 14, wherein ~~said~~ the polypeptide having glucose dehydrogenase activity is a ~~Bacillus megaterium~~ *Bacillus megaterium*-derived glucose dehydrogenase.

16. (Currently amended) The transformant ~~according to Claim~~ of claim ~~1~~ 13, wherein a host thereof is ~~Escherichia coli~~ *Escherichia coli*.

17. (Currently amended) The transformant ~~according to Claim~~ of claim 16, wherein the host ~~which~~ is ~~Escherichia coli~~ *Escherichia coli* HB101 (pTSBH).

18. (Currently amended) The transformant ~~according to Claim~~ of claim 16, wherein the host ~~which~~ is ~~Escherichia coli~~ *Escherichia coli* HB101 (pTSBG1).

19. (Currently amended) The transformant ~~according to Claim~~ of claim 16, wherein the host ~~which~~ is ~~Escherichia coli~~ *Escherichia coli* HB101 (pTSBH, pSTVG).

20. (Currently Amended) A ~~production~~ method of producing (S)-N-benzyl-3-pyrrolidinol comprising:

~~a step of~~ a) reacting the transformant ~~according to Claim~~ of claim ~~1~~ 13 and/or a treated product thereof with N-benzyl-3-pyrrolidinone, and

~~a step of~~ b) harvesting the ~~thus produced~~ (S)-N-benzyl-3-pyrrolidinol produced in a).

21. (Currently amended) The method ~~according to Claim~~ of claim 20, wherein the step of reacting is carried out in the presence of a coenzyme regenerating system.

22. (New) An expression vector comprising the isolated DNA-molecule of claim 6.

23. (New) An expression vector comprising the isolated DNA-molecule of claim 7.